



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D2484
Job Sheet 170302



Part No: D2484

Job Qty: 40 ea

Part Name: Locknut



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/12/18

Job Tracking No:

Due Date: 1/26/18

Created By: Mario Poulin

Type: SOLD

Description:

Note: DWG REV A IPP A 00.03.02 New Issue EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	40 pcs		1/26/18	0.00	0.00	Purchasing		AT 1/18/18
110	Packaging	40 pcs		1/26/18	0.00	0.00	Packaging2		AD 1/18/18
120	QC	40 pcs		1/26/18	0.00	0.00	QC5		38
130	Packaging	40 pcs		1/26/18	0.00	0.00	Packaging3		9-88 821
140	QC21-SA	40 Ea		1/26/18	0.00	0.00	QC21		9-88 821

Part Op 100 - Issue P/O: _____ Order per Dwg D2484 McMaster p/n: 913484100
Descriptions: 110 - Ensure Material Release Note is attached

P/O. 038830 JAN 22 2018 13 9-88

DAG 21 9-88 FEB 0 2018

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	D2484P	40	0	0	0

Part Specifications

Specifications could not be found.

Plex 1/12/18 4:23 PM dart.poulin.mario

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS				
Part No. _____		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	
NCR No. _____		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	
		Large Fab ☐	Composite ☐	Supplier ☐		

Date : _____ Step #: _____ QTY Effective : _____ MRB (QSI042) Approval _____

Description Work Order Deviation _____

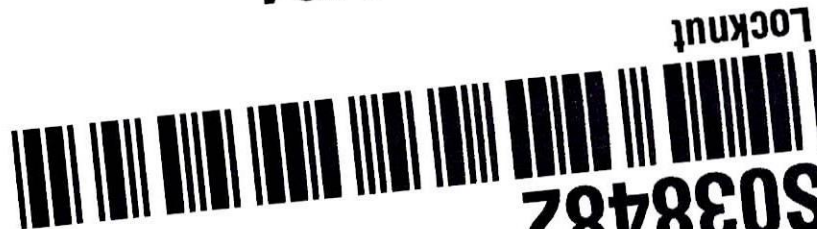
Job No: 170302
Mfg Date: 02/02/18

Purchasing

Original Serial #: S038482
PART NO: D2484

Revision: _____
Operation: _____
Change No: _____

Completed By _____

Lead hand / Supervisor
Approval Verification _____QC / QA Coordinator
Approval _____

DART AEROSPACE
S038482

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Root Cause

Environment	☐	No Re-verification	☐
Design	☐	Operator	☐
Doc/Data	☐	Offset/Setup	☐
Equip/Tooling	☐	Supplier	☐
Handling/Pre	☐	Training	☐
Material	☐	Use for Testing	☐
Internal Transport	☐	Poor Information	☐
Tribal Knowledge	☐	Rushing	☐
LOA	☐	Product Improvement	☐
Substation	☐	Process Improvement	☐
Past Expiry Date	☐	Manufacturing Process	☐
Misidentified	☐	Past Due	☐

Crushing

Heat Treat

Wave/Twist in Tube

Marks/Chatter

Contamination

Countersink

Cut Too Short

Instructions Incomplete/Unclear

Drill Holes

Wrong Stock Pulled

Out of Sequence

Off-set

Mislabeled

Fit/Function

Misaligned/off center

Positioned Wrong

Outside Dimensions

Over/Under tolerance

Part Incorrect

Part Lost/Missing

Part Moved

Drawing

Finish

Misread

Turning Sequence

OTHER : _____



DESIGN B WILLIAMS	DRAWN BY B WILLIAMS	DART AEROSPACE LTD VICTORIA INTERNATIONAL AIRPORT, CANADA	
CHECKED B W	APPROVED 	DRAWING NO. D2484	REV. A SHEET 1 OF 1
DATE 95:10:06		TITLE LOCK NUT	SCALE

SPECIFICATION CONTROL DRAWING

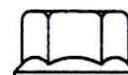


1/4-20 LOW PROFILE
NYLON LOCK NUT



OR

1/4-20 SERATED FLANGE
LOCK NUT





Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO038830

Supplier: MCM001-VU
McMaster-Carr Supply Co.
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO038830

PO Date: 1/19/18

Due Date: 1/23/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

E-MAILED

JAN 22 2018

REVISED

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	3896T31	50/pk	Ferule 1/16 X 3/8" - Aluminum receive ea	Firmed	1/23/18	300 Ea	0 Ea	300 Ea	\$0.1312/Ea	\$39.36
2	188-FSCS-832-5/8	92210A196 100/pk	Clock Spring Cover Screw	Firmed	1/23/18	100 Ea	0 Ea	100 Ea	\$0.0585/Ea	\$5.85
3	1315	6541K37 25/pk	Crimp Hose Clamp 9/16"	Firmed	1/23/18	50 pcs	0 pcs	50 pcs	\$0.3628/pcs	\$18.14
4	8997K11		Cushion w/Adhesive Back 60A durometer	Firmed	1/23/18	.5 sf	0 sf	1 sf	\$0.793/sf	\$0.40
5	51495K116		COUPLING 1/2" NCKL PLTD BRASS PUSH TO CONNECT TUBE FITTING COUPLING receive ea	Firmed	1/23/18	10 Ea	0 Ea	10 Ea	\$7.78/Ea	\$77.80
6	2044T48		Tube Ø1.36 receive ft	Firmed	1/23/18	8 ft	0 ft	8 ft	\$0.8025/ft	\$6.42
7	2044T68	25/pk	Cap Ø1.36 receive ea	Firmed	1/23/18	25 Ea	0 Ea	25 Ea	\$0.3316/Ea	\$8.29
8	KUR BW100	48925K93 / 5 ft	Hose	Firmed	1/23/18	50 ft	0 ft	50 ft	\$1.08/ft	\$54.00
9	92580A112	3 FT long	Threaded Rod 5/8-18	Firmed	1/23/18	3 ft	0 ft	3 ft	\$4.82333/ft	\$14.47
10	C10-21-4	91102A750 100/pk	Lock Washer	Firmed	1/23/18	100 Ea	0 Ea	100 Ea	\$0.0113/Ea	\$1.13
11	C45-3-4-1	98410A110 100/pk	Retaining Ring	Firmed	1/23/18	100 Ea	0 Ea	100 Ea	\$0.13/Ea	\$13.00
12	PC250-120	90145A591 5/pk	Location Pin	Firmed	1/23/18	5 Ea	0 Ea	5 Ea	\$2.068/Ea	\$10.34

Plex 1/22/18 8:36 AM dart.lavoie.chantal

1/22/2018

PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
13	PC250-130	91257A755	Bolt 1/pk	Firmed	1/23/18	5 Ea	0 Ea	5 Ea	\$2.31/Ea	\$11.55
14	PC250-450	91257A758	Bolt 1/pk	Firmed	1/23/18	5 Ea	0 Ea	5 Ea	\$3.00/Ea	\$15.00
15	PC250-560	92373A271	Anchor Pin 10/pk	Firmed	1/23/18	10 Ea	0 Ea	10 Ea	\$0.648/Ea	\$6.48
16	188-FPSS-1/4-20-3/8	92311A190	Set Screw 100/pk	Firmed	1/23/18	100 Ea	0 Ea	100 Ea	\$0.0451/Ea	\$4.51
17	188-FSCS-1032-1-1/4	92196A276	Screw 50/pk	Firmed	1/23/18	50 Ea	0 Ea	50 Ea	\$0.1714/Ea	\$8.57
18	88625K67	3 FT long	Dowel Pin Ø8mm x 40mm	Firmed	1/23/18	24 ft	0 ft	24 ft	\$1.90/ft	\$45.60
19	88625K65	3 ft long	Dowel Pin Ø6mm x 40mm receive ea	Firmed	1/23/18	24 ft	0 ft	24 ft	\$1.49/ft	\$35.76
20	91595A142	25/pk	Dowel Pin Ø3mm x 40mm receive ea	Firmed	1/23/18	100 Ea	0 Ea	100 Ea	\$0.386/Ea	\$38.60
21	86625K31	50/pk	Grommet Size 00 receive ea	Firmed	1/23/18	50 Ea	0 Ea	50 Ea	\$0.11/Ea	\$5.50
22	97526A421	97526A160	Rivet 100/pk receive ea	Firmed	1/23/18	100 Ea	0 Ea	100 Ea	\$0.1872/Ea	\$18.72
23	3896T31	50/pk	Ferule 1/16 X 3/8" - Aluminum receive ea	Firmed	1/23/18	50 Ea	0 Ea	50 Ea	\$0.1312/Ea	\$6.56
24	7189K31	500/pk	Cable Ties Black receive ea	Firmed	1/23/18	1,000 Ea	0 Ea	1,000 Ea	\$0.01112/Ea	\$11.12
25	5274T761	5/pk	Polypropylene Vial for Flange Wrench Bolts receive ea	Firmed	1/23/18	10 Ea	0 Ea	10 Ea	\$1.744/Ea	\$17.44
26	90281A640	1/pk	Threaded Stud 3/8-16 X 4.0"	Firmed	1/23/18	15 Ea	0 Ea	15 Ea	\$1.65/Ea	\$24.75
27	91030A031	1/pk	Flange Hex Nut	Firmed	1/23/18	15 Ea	0 Ea	15 Ea	\$2.28/Ea	\$34.20
28	91585A208	91585A829	Dowel Pin M3 x 18mm receive ea	Firmed	1/23/18	70 Ea	0 Ea	70 Ea	\$2.154/Ea	\$150.78
29	4491K61	100/pk	Push in tapered round cap receive ea	Firmed	1/23/18	100 Ea	0 Ea	100 Ea	\$0.0837/Ea	\$8.37
30	92905A225	25/pk	Extended Point Set Screw, Dog Point receive ea	Firmed	1/23/18	25 Ea	0 Ea	25 Ea	\$0.3288/Ea	\$8.22
31	92580A107	3 ft long	Threaded Rod 1/4"-28	Firmed	1/23/18	3 ft	0 ft	3 ft	\$1.263333/ft	\$3.79
32	V75-010	1201T21	Oring 50/pk	Firmed	1/23/18	50 Ea	0 Ea	50 Ea	\$0.1146/Ea	\$5.73
33	V75-013	1201T24	Viton 75D Oring 50/pk	Firmed	1/23/18	50 Ea	0 Ea	50 Ea	\$0.164/Ea	\$8.20
34	V75-011	1201T22	Viton 75D Brown Oring 50/pk	Firmed	1/23/18	50 Ea	0 Ea	50 Ea	\$0.127/Ea	\$6.35

Plex 1/22/18 8:36 AM dart.lavoie.chantal

1/22/2018

PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
35	MDELRINR2.250W	8572K31 4	MDELRINR2.250	Firmed	1/23/18	4 ft	0 ft	4 ft	\$23.71/ft	\$94.84
		ft	color: White : MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL receive ft							
36	MDELRINR1.625	8572K26 3	MDELRINR1.625	Firmed	1/23/18	3 ft	0 ft	3 ft	\$13.07/ft	\$39.21
		ft	color: white : MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL receive ft							
37	3009A237	3" long	Pin	Firmed	1/23/18	12 Ea	0 Ea	12 Ea	\$2.49/Ea	\$29.88
						✓ 12x				
38	D2484P	91343A100	Lock Nut	Firmed	1/23/18	40 pcs	0 pcs	40 pcs	\$0.363/pcs	\$14.52
		10/pk				✓ 40x				
39	9776K33		Hook And Loop Strip 1"	Firmed	1/23/18	150 ft	0 ft	150 ft	\$1.207866/ft	\$181.18
						✓ 150ft				
Line Item Note job # 170642										
40	9776K38		Hook & Loop Strip 1"	Firmed	1/23/18	150 ft	0 ft	150 ft	\$1.2078666/ft	\$181.18
						✓ 150ft				
Line Item Note job # 170641										
41	98470A133		Pin, Quick Release	Firmed	1/23/18	20 pcs	0 pcs	20 pcs	\$3.01/pcs	\$60.20
						✓ 20x				
									Grand Total: \$1,326.01	

DAS
38
9-00

Order Notes

Procurement Quality Clauses
 A005 RIGHT OF ENTRY
 A016 PERSONNEL QUALIFICATION
 A026 CERTIFICATION OF MATERIAL CONFORMANCE
 A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
 A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
 A040 NOTIFICATION OF QUALITY ESCAPE
 A041 QUALITY MANAGEMENT SYSTEM
 A042 DART NOTIFICATION BY SUPPLIER
 A043 RETENTION OF QUALITY DOCUMENTS
 A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
 A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/22/18 8:36 AM dart.lavoie.chantal